

EPPM 2014 CONFERENCE PROGRAM

Wednesday 26 November 2014

17.00 – 18.00 Registration

18.00 – 20.00 Opening ceremony (at the Fish Eagle room)

Thursday 27 November 2014

08.30 – 09.30 Registration

Note: All technical sessions will be at the **Fish Eagle** room

08.45 – 08.50	Introduction
08.50 – 09.00	Institutional Welcome
09.00 – 09.30	Keynote Presentation: Quality Costing and Lessons Learnt on Projects <i>Dr. Hannelie Nel, British Inspecting Engineers Ltd., South Africa</i>
09.30 – 10.50	Technical Session 1-1 <i>Session Chair: Prof. David Carmichael, University of New South Wales, Australia Prof. Sherif Mohamed, Griffith University, Australia</i>
10.50 – 11.10	Morning coffee break
11.10 – 12.50	Technical Session 1-2 <i>Session Chair: Dr. Slawomir Karas, Lublin University of Technology, Poland</i>
12.50 – 13.50	Lunch
13.50 – 15.30	Technical Session 1-3 <i>Session Chair: Dr. Nicholas Chileshe, University of South Australia, Australia</i>
15.30 – 15.50	Afternoon coffee break
15.50 – 17.30	Technical Session 1-4 <i>Session Chair: Prof. Bo Terje Kalsaas, University of Agder, Norway</i>
19.00 – 21.00	Conference dinner and Best Paper Award presentation

Friday 28 November 2014

08.30 – 09.30 Registration

Note: All technical sessions will be at the **Fish Eagle** room

09.00 – 09.30	Keynote presentation: Airport Gate Scheduling <i>Prof. Erwin Pesch, University of Siegen, Germany</i>
09.30 – 10.50	Technical Session 2-1 <i>Session Chair: Dr. Fidelis Emuze, Central University of Technology, South Africa</i>
10.50 – 11.10	Morning coffee break
11.10 – 12.50	Technical Session 2-2 <i>Session Chair: Dr. Kassim Gidado, University of Brighton, UK</i>
12.50 – 13.50	Lunch
13.50 – 15.30	Technical Session 2-3 <i>Session Chair: Dipl.-Ing. Markus Reinhardt, Karlsruhe Institute of Technology, Germany</i>
15.30 – 15.50	Afternoon coffee break
15.50 – 17.30	Technical Session 2-4 <i>Session Chair: Prof. Chien-Ho Ko, National Pingtung University of Science and Technology, Taiwan</i>
17.30 – 17.40	Closing event: Introducing EPPM2015, Griffith University, Australia
17.50 – 19.00	EPPM Business Meeting

TECHNICAL SESSIONS

Session 1-1 Thursday 27 November 2014

Deconstruction Project Planning Considering Local Environmental Impacts

Anna Kühlen, Rebekka Volk, Julian Stengel, and Frank Schultmann

Construction Frameworks in the UK Public Sector: A Procurement Performance Model for Driving Improvement of Project Outcomes

Terence Y M Lam and Keith S Gale

Offsite Manufacturing in Developing Countries: Current Situation and Opportunities

Sherif Mostafa, Jantanee Dumrak, Nicholas Chileshe, and Jian Zuo

Adoption of Reverse Logistics in South Australian Construction Projects: Major Drivers

M. Reza Hosseini, Raufdeen Rameezdeen, Nicholas Chileshe, and Steffen Lehmann

Session 1-2 Thursday 27 November 2014

A Comparative Study of Construction Joint Ventures in Australia and Malaysia

Tony Ma and Michelle Voo

RIBA Plan of Work Model and Classification of Constraints to Cost Performance of Construction Projects

Sunday Odediran and Abimbola Windapo

Mega Projects and the Four Sublime – The Case of the Innovative Strategy of the Biophilic Construction Site Model: The Case Study of ECOPARK Eco-City, Hanoi, Vietnam

Rita Obiozo and John Smallwood

Modelling the Factors Impacting the Sustainability of South Africa's Construction Industry – An Interpretive Structural Modelling Approach

Nien-Tsu Tuan, Ian Jay, and Mark Massyn

Facilities Management: Physical Built Environmental Factors that Influence User Performance in an Office Building

Asad Jalal Sindhu and Kassim Gidado

Session 1-3 Thursday 27 November 2014

GA-Based Precast Production Planning System

Chien-Ho Ko and Shu-Fan Wang

A JIT Algorithm for Offshore Rig Assembly Sequencing

Ernest Abbott and David Chua

Automated Master Project Schedule for Construction Incorporating Building Information Model and IFC

David Cheng, Ernest Abbott, David Chua, and Ahmad Tashrif

A Hybrid Approach for Production-Delivery Scheduling with Uncertain Factors

Myon-Woong Park and Seok-jin Lim

Effect of Embedding Shape Memory Alloy (Cu-Zn-Al) in an Aircraft Wing Panel

Ruan Pretorius, Izendu Aghachi, and Rotimi Sadiku

Session 1-4 Thursday 27 November 2014

Developing a Pollution Measuring System to Manage Demolition Projects Complying with Legal Regulations

Markus Reinhardt, Anna Kühlen, and Shervin Haghsheno

Emissions Management of Urban Earthmoving Fleets

David G. Carmichael, Lars O. Lea, and Maria C. A. Balatbat

The Management of Environmental Bridge Design
Slawomir Karas and Janusz Bohatkiewicz

The Development of a Lean Culture Diagnostic Tool
Karl van der Merwe

Development of a Framework for a Lean Based Water and Energy Efficiency Tool
Edward Davies and Karl van der Merwe

Session 2-1 Friday 28 November 2014

Stakeholder Perspectives on the use of Satisfaction Metrics in Large Engineering Projects
Abimbola Windapo, Sunday Odediran, Luqman Oyewobi, and Gcinulwazi Qamata

Influence of Client Understanding on Quality of Design
A. Olatunji Aiyetan, J. John Smallwood, and Winston Shakantu

Engendering Change within a Water Infrastructure Client Organisation: A Participatory Action Research Approach
M. Potts, B. Awuzie, P. McDermott, and A Stephenson

Improvement Initiatives to Benefit Rural Communities in Pottery Making
Nthabiseng Mahumapelo

Session 2-2 Friday 28 November 2014

Effect of Organisational Justice in Motivating Construction Workforce Towards Improved Work Productivity
Ogwueleka, Amaka Chinweude and Maritz, Marthinus Johannes

Applying the Lens of Complexity Theory to Project Management
Ian Jay, Nien-Tsu Tuan, and Mark Massyn

The Role of Socio-Cultural and Technological Factors in Adopting the Project Management Office (PMO)
Abdulaziz Alghadeer and Sherif Mohamed

Construction Experts' Perception on the Causes and Effects of Cost Overruns in Johannesburg, Gauteng Province, South Africa
Mukuka MJ, Clinton Aigbavboa, and Wellington Thwala

Costs of Alternative Methods of Acquiring Sandcrete Blocks for Walling
Lawal P.O, Olayemi O.O, and Fagbenle O.I

Session 2-3 Friday 28 November 2014

Delays to Mechanical Services-Type Projects Associated with National Culture in Saudi Arabia
Abdullah Alkharmany, Kassim Gidado, and Noel Painting

Relationship between National Culture and Safety Behaviour: Evidence from Petrochemical Employees in Saudi Arabia
Ayedh Alshahrani, Kriengsak Panuwatwanich, and Sherif Mohamed

To Achieve Predictability in Engineering Management
Bo Terje Kalsaas

Lean Leadership Paradoxes: A Systematic Literature Review
Hend Amer and Corrinne Shaw

A Theoretical Perspective on Leadership Development in the Construction Industry
Murendeni Liphadzi, Clinton Aigbavboa, and Wellington Thwala

Session 2-4 Friday 28 November 2014

Exploring Transformation Challenges: Limits to the Growth of Building Contractors in South Africa
Fidelis Emuze and Darren Flanagan

A Study of the Skills of Construction Project Managers in Australia and Their Needs for Training and Certification
Tony Ma, Cuong Luong, and Jian Zuo

Designing Postgraduate Project Management Programs for Success
Bassam Baroudi

The Influence of Satisfaction with Attributes of Off-Campus Student Accommodation on the Loyalty Behaviour of Student-Residents
OC Bella-Omunagbe and WM Shakantu

Building Information Modelling (BIM) Education in South Australia: Industry Needs
John C.H Gardner, M. Reza Hosseini, Raufdeen Rameezdeen, and Nicholas Chileshe